

The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

Issue 372 - Jan 30, 1987

DXpedition News

Peter I Island - 3Y Einar 3Y1EE and Kare 3Y2GV fired up from Peter I on Jan 24, and have been delighting DXers with their dedication and fine operating styles. As advertised, they transmit on 7003, 14022, 14145, 21022, and 21195, with listening frequencies as announced. On 15 SSB they have used Eric SM0AGD's idea of "split channel" operation: listening on 21310, 320, 330, etc. (Hint: listen for the brief announcement, "Now 21420.")

More good news: the Norwegian Polar Institute has extended the DXpeditioner's stay on Peter I until Feb. 5, giving all DXers an excellent shot at this New One! QSL LA6VM.

Cocos-Keeling - VK9Y Jim Smith VK9NS and Bob Winn W5KNE will operate VK9YS and VK9YW (OC-03) Feb. 10-24, all bands. Jim will pay particular attention to 160 and 80, and plans some RTTY operation as well. Jim says, "Listen to what I say, and do it. If I say listening 2-7 up, transmit 2-7 up!" QSL VK9YS to VK9NS or HIDXA. Sunrise 2330Z, sunset 1150Z. Donations accepted via HIDXA.

Christmas Is. - VK9X On his way home, Jim Smith VK9NS will operate as VK9XS (OC-02) Feb. 24-Mar 3. QSL VK9NS. Sunrise 2300Z, sunset 1110Z.

Lord Howe Is. - VK9 Rudi DJ5CQ will be on as VK9LM Feb. 8-Mar. 1, especially on 40 and 80. QSL OE1ZL. Sunrise 1910, sunset 0800Z. Donations are requested.

Peter and Paul Rocks - PY0 Ron PY1BVY and Paul PY1ZT will operate as ZY0ZSB and ZY0ZSA (SA-14) on CW and SSB respectively Feb. 20-28, on all bands, 160-10M. QSL both calls to Ron PY1BVY, Box 1502, 24000 Niteroi, Brazil. Sunrise 0800Z, sunset 2000Z.

St. Pierre - FP Dave KA1CRP will be /FP (NA-32) April 1-9. QSL home call, Box 382, Lebanon NH 03766. Sunrise 0910, sunset 2220Z.

St. Lucia - J6 Bill K4LTA and others will operate as J6LTA (NA-24) Feb 19-Mar 1, including ARRL CW. Watch 25-30 kHz up, and 7005, 3505, and 1833. Slow-speed CW by a YL at 2230 on 21123 weekdays. QSL to NF5Z ('87 Callbook only: Dick Powell, Route 1, box 229, Zavalla TX 75980.)

Dominica - J7 Following the St. Lucia operation, Bill K4LTA will move to J70A (NA-22) Mar 1-10, including ARRL SSB. QSO and QSL info same as J6LTA. Sunrise 1030Z, sunset 2200Z for both.

Cayman Islands - ZF Pete N5TP will be on as ZF2KD (NA-16) Feb 5-10, including the FOC Marathon. Watch 025 on CW, of course (but not during the weekend, unless you're an FOCer.) QSL N5TP.

Bahamas - C6 KI4IW will be /C6A during ARRL SSB Mar 7-8, multi-single. QSL KI4LW.

South Shetlands - CX0 Uruguay DX Group is shooting for CX0XY (AN-10) early Feb., for a couple of weeks. QSL CX2CS.

Maldives - 8Q Joe WA6VNR has cancelled his planned Maldives operation.

Cocos Is. - TI9 TI2KD extended his TI9W (NA-12) operation until the end of Jan. and made a lot of low-banders happy with a New One. QSL TI2KD.

Galapagos - HC8 HC5KA will return to HD8G the first week in Mar., including ARRL SSB. CW and RTTY before the contest. QSL KT1N. Sunrise 1210, sunset 0010Z.

Low Band News

- 7Q7LW is back in Malawi on 7002 or 7012 at 0400Z. Work him now!
- KD7P/KC4 said he would be on 3790 at 0800Z, but no reports yet.
- ON4UN says he has worked 69 countries on 160 Meters since Jan 1.
- 5H3ZO has his 160 M antenna up, and operating permission in hand. QSL K0LST.
- KL7Y is very active on 1830 03-0400Z.

Silent Key: Don Riebhoff K7ZZ. More details next week.

— Chod Harris VP2ML Editor

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PROPAGATION

Forecast and Historical Data

Day	Forecast	27 Days Before				54 Days Before			
January		Date	Flux	A	K	Date	Flux	A	K
30	High Nor	1/3	72	07/08	2	12/7	70	05/08	2
31	High/Above	1/4	71	05/05	1	12/8	71	05/06	0
February									
1	High Nor	1/5	71	07/06	0	12/9	73	05/06	2
2	High Nor	1/6	72	05/06	1	12/10	75	09/11	3
3	High Nor	1/7	72	04/07	1	12/11	75	07/08	2
4	High Nor	1/8	71	07/08	2	12/12	73	05/06	2
5	High/Low	1/9	70	14/14	2	12/13	74	05/14	2
6	High Nor	1/10	70	06/07	1	12/14	74	13/26	1
7	High Nor	1/11	70	03/07	1	12/15	73	05/06	1
8	High Nor	1/12	71	07/10	1	12/16	73	10/13	3
9	High Nor	1/13	72	05/07	2	12/17	74	04/06	1

Thanks N4XX

and KH6BZF.

Propagation Watch

How's that for a forecast! Very quiet bands, with low absorption (especially over the poles) means good long-haul DX, and fine low-band conditions. Make the most of these excellent 80 and 160 meter evenings.

The Bottom of the Sunspot Cycle

One sign of the actual bottom of the sunspot cycle is when the number of sunspots from the old cycle (#21) equals that of new cycle (#22). This occurred in late Summer, 1986! For example, 16 of the last 22 spots reported are Cycle 22 spots. Based on this factor, we are past the bottom of the cycle, and on the way up!

On the other hand, some factors vote against the idea that we have passed the minimum: New cycle spots usually show about a year before the bottom, and they first showed in May, 1986, forecasting a minimum in mid-1987. And the Smoothed Sunspot Number at the minimum is usually much lower than the low-teens numbers for mid-1986.

But The DX Bulletin will go out on a limb, and say we've passed the minimum in Sept., 1986. We'll have more spots in '87. Think Spots!

CALENDAR

(Changes and hot info in boldface.)

Amsterdam - FT	FT8ZA now active	I371
Antarctica	KC4USX 14276 often	I371
Ascension - ZD8	ZD8CW 7001 23-01Z	I371
Aves - YV0	4M0ARV Mar 16-22	I364
Chad - TT8	TT8AQ 14183 1800Z	I372
Chagos - VQ9	VQ9QM leaving soon	I371
Chatham - ZL7	ZL7TZ 40 CW 09-12Z	I372
China - BY	BY9GA Zone 23 14227 0000Z	
Christmas - VK	VK9XS Feb 24-Mar 3	I372
Cocos - TI9	TI9W wrapping up now	I372
Cocos-Keeling	VK9YS + VK9YW Feb.	I370
Crozet - FT8W	FT8WA 14236 18-2000Z	
	3797 daily at 1600Z	I371
Dominica - J7	J70A Mar 1-10	I371
Franz Josef Land	UALOT 1832 0230-03Z	I370
Galapagos HC8	HD8G Mar 2-9 HC5KA	I372
Glorioso - FR/G	FH4EC mid-Feb. on	I370
India - VU	0130-0230 20/40M + 1200Z	
Johnston Is. KH3	KN4BPL/KH3 75M 08-09Z	
Liberia- EL	EL2SI FOC Marathon	I370
Libya - 5A	5A0A 14005 at 1343Z	I371
Lord Howe - VQ9	VQ9LM by DJ5CQ Feb 8	I372
Maldives - 8Q7	8Q7CH 14004 1700Z	
Malawi - 7Q7	7Q7LW 7002-12 0400Z	I372
Mali - TZ	TZ6VV now active	I372
Macquarie - VK0	VK0GC and VK0SJ now	I365
Marshall - KX6	KX6DS at 7006 after 0930Z	
Mellish - VK0	VK0MW August	I367
Neth. Ant. - PJ	W1BIH/PJ2 often	I371

DXpeditioner Wanted

Interested in operating from the Western Carolines the last two weeks in March? Combining DXing with an Earthwatch expedition at that time may provide some tax-deductibility to the trip. Cost \$1500 plus air fare. Contact The DX Bulletin for details.

IRCs Available - \$0.50

Bob Shohet KQ2M has some IRCs for sale for \$0.50 each, insured postage paid. Contact him at (516) 736-6869.

10 Meter Beacon List

Joe K2OLG has released his latest 10 meter beacon list. Copies are available from The DX Bulletin for an SASE. Thanks, Joe.

Reserve Your Island

ARRL CW: W2GD at Aruba as P40GD; W6BW at The Last Resort, Montserrat as VP2MU; J6LTA M/S by K4LTA and others.

ARRL SSB: AA4NC and others at The Last Resort, Montserrat as VP2MU; K14IW/C6A M/S; J70A M/S by K4LTA and others; HD8G by HC8KA M/S.

WPX SSB: VP2ML himself!

[Send your Contest DXpedition information to TDXB!]

Golden Jubilee Honor Roll

Call	100th QSO	Best DX
W6GO	3 JAN 87 0042Z	BY 9Q BV C2 H4 3D2 3D6 ZD7
AA4S	3 JAN 87 1438Z	5X ZM7 VR6 FJL TI9 HK0 YB 9J
AA2Z	3 JAN 87 2202Z	VP2M HV OY HB0 EA9 ZD8 TR8 TU
K6AAW	4 JAN 87 0955Z	TU VQ9 FJL VU KH3 5N
W6EL	4 JAN 87 1505Z	(?)
K6IR	5 JAN 87 ALL	SSB VK0 TI9 ZL7 HV3 TZ FR/G 9Q5
K9RHY	10 JAN 87 ALL	20M 7P8 TI9 FR/G 9M8 FT8Z YI
VE7AHA	11 JAN 87	16 on 80, 62 on 40, 22 on 20
VE7DX	12 JAN 87 1707Z	A9 BY BV C5 CN TU ZD8 9M8 9Q5
K7ABV	18 JAN 87 1654Z	9L1 TT8 9Q5 BY BV S7 TU TR Z2

(Any more takers? Send your results to TDXB.)

Peter I Is - 3Y	3Y2GV, 3Y1EE NOW	I370
St. Lucia - J6	J6TLA Feb 19-28	I371
St. Martin - FS	FG/TK5BL/FS Jan 4-Feb 1	
	FS5IPA Feb 26-Mar 12	I367
St. Pierre - FP	KALCRP/FP Apr 1-9	I372
San Andres HK0	HK0BKKX 14015 20-22Z	I370
Seychelles S79	S79KG by Colvins	I371
	20 M SSB + CW 17-1900Z	
Sri Lanka - 4S7	DK1ZN/4S7, 4S7YLR	I367
So. Shetlands	CX0XY early Feb.	I363
Sudan - ST	by PA0GAM in March.	I367
Tanzania - 5H	5H3ZO 14027 17-1800Z	
	3505 at 0300Z	I369
Tromelin - FR/T	FR5AI/T Mar 1987	I365
Vienna - 4ULVIC	14025-30 1130-1200Z	
Wake Is. - KH9	KH9AC 14309 0330Z	
	1827 at 07-0800Z	
Zaire - 9Q5	9Q5NW 14180 19-2100Z,	
	3793 at 0500Z	I370
Zimbabwe - Z2	223JO 7005 at 0400Z	

CONTRIBUTORS

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TTY				
1ACH	14090	0200	16	CA
5FF	14093	2010	20	CA
2QB	14097	0530	21	MA
5KA	14094	0005	21	MA
0MVE	14092	1514	7	CA
8AR	14080	0005	20	MA
2DTY	14089	0545	21	MA
4LS	14095	0030	21	MA
3AL	14089	1325	10	MA
9VT	14094	0030	21	MA
2BEM	14095	0045	21	MA
8CK	14084	2107	21	CA
2LO	14092	1330	10	MA
1RC	14089	0500	21	MA
2AMD	14087	0420	21	MA

160 MTRS			
4X4NJ	1840	0448	12 IL
	SSB		
7X5AB	1842	0616	15 RI
8P9DX	1835	0337	23 FL
CO2CB	1836	1351	18 GA
CO2PY	1832	2350	10 AL
CT4AT	1835	0735	11 AL
EA8QO	1835	0526	11 AL
GI3QQR	1848	0200	13 VT
HG9R	1836	2355	16 MA
HG9R	1846	0559	24 FL
HKOBKX	1829	0519	11 AL
HR1/	1840	0304	19 IL
WB5YWU			
J73D	1832	0620	15 MA
JA1CGM	1908	1213	12 NH
JA1GTF	1911	1225	13 MA
JA3ONB	1908	1200	16 NH
JA4LKB	1910	1310	5 MI
JF1NZW	1908	1200	16 NH
JF1NZW	1909	1256	18 GA
JR1CFG	1909	1256	18 GA
KH9AC	1827	0748	12 NH
LA5VAA	1829	0030	13 MA
LZ2DF	1836	2332	12 IL
OA4ZV	1835	0530	24 FL
OH2BA	1825	0505	7 MI
OH2HE	1834	0615	21 FL
OZ3Y	1835	2132	12 RI
RA6AEV	1845	0507	10 NH
RB5AB	1830	0323	13 MA
RZ1OWA	1833	0340	14 MA
RZ1OWA	1835	2205	15 NH
SM7ALC	1833	0457	15 RI
SM7BIC	1834	0445	19 CA
SP3BQD	1837	0325	16 RI
TF3SZ	1833	0210	14 MA
TF3SZ	1832	0153	13 MA
TG9NX	1842	0741	16 RI
TI9W	1845	0429	16 IL
TI9W	1843	0400	15 MA
UA1OT	1834	1200	8 MI
UA1OT	1833	0330	15 CO
UP1BZZ	1832	0551	24 FL
UP1BZZ	1850	0600	12 IL
UR1RWX	1832	0633	21 FL
UR2RGN	1834	0425	7 MI
UV100	1828	0521	16 MT
80 MTRS			
3B8CF	3507	0154	19 CA
3B8CF	3507	0153	19 FL

THE DX BULLETIN

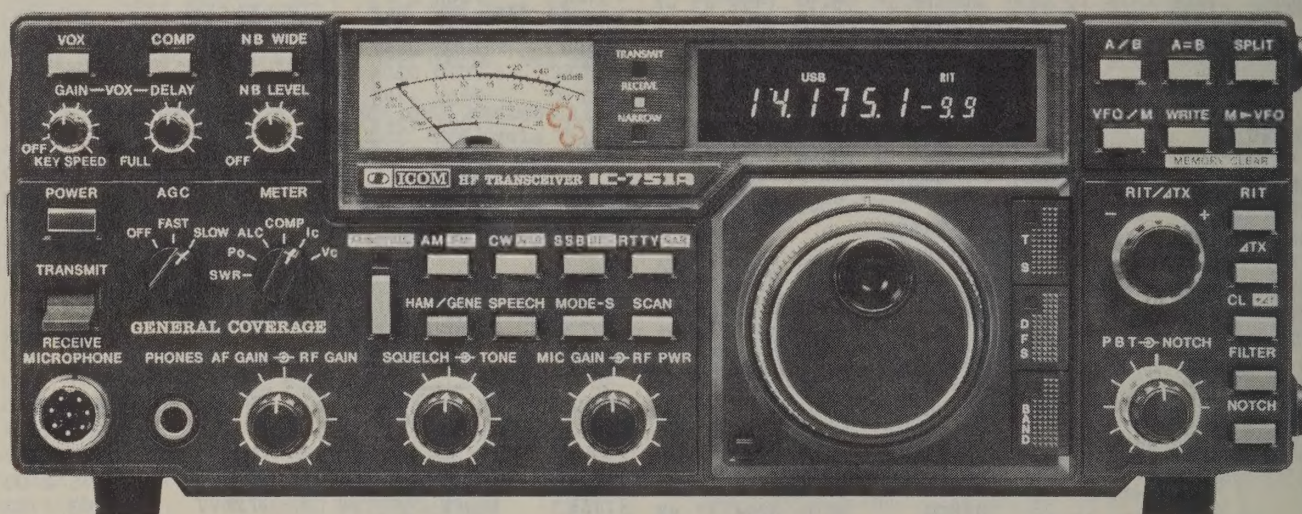
4X6TT	3799	0431	16	FL	9M2WG	7009	1446	20	CA	BV2DA	14004	2335	18	CA
4X6TT	3793	0135	11	CO	9V1WG	7004	1442	19	CA	BV2DA	14003	0045	18	MT
5H3ZO	3510	0310	13	MA	BV2DA	7003	1413	16	CA	BY1QH	14227	0025	15	MT
5N0/	3797	0148	17	CA	C31NP	7005	0204	24	FL	BY4SZ	14231	0020	13	CA
JG1FVZ					CE0ZIG	7008	0134	19	FL	BY4SZ	14229	0032	15	MT
9M2AX	3503	1501	21	CA	FK8EJ	7010	0844	24	CA	BY4SZ	14244	2345	18	CA
9M2DU	3795	1551	19	CA	FO5BI	7007	0758	12	CA	BY9GA	14227	0027	15	MT
9M8PV	3795	1440	17	MT	FR4DN	7007	1525	18	CA	C53BU	14191	2225	13	MD
CN2AQ	3789	0638	19	CA	ISOUWS	7029	2300	16	IN	C6AAA	14160	0043	16	MT
CN2AQ	3775	0105	12	CO	KH3/	7158	0900	17	IL	EA9IB	14220	1601	18	MT
CO2KK	3797	0013	15	PA	KN4BPL					EA9IE	14225	0736	11	VT
CO8RCB	3800	0201	15	PA	LU/K5KG	7002	0205	14	MT	EA9IE	14227	1652	4	CA
CT3DL	3797	0145	14	CO	LU/K5KG	7008	0926	24	CA	FR4DN	14175	1745	18	MT
CU1CB	3798	0522	17	IL	OX3CZ	7002	2350	14	MA	FR4EM	14017	1857	16	MA
DU2/KK7K	3510	1200	19	CA	PJ2/	7026	0251	17	GA	FT8WA	14236	1901	10	MD
EA8ADP	3790	0821	19	CA	W1BIH					FT8ZA	14234	1929	9	MD
EA8ADP	3780	0759	16	RI	RZ1OWA	7002	0546	14	MT	HB0CZS	14003	1540	15	CA
F6ANA	3800	0431	15	PA	S79KG	7001	0245	12	MA	HKOHEU	14226	2230	7	CA
GJ3DVC	3787	0135	11	CO	S79KG	7003	0310	16	CA	HV3SJ	14207	1455	17	MA
GWOABG	3793	0022	15	PA	S79LJ	7005	0341	10	GA	HV3SJ	14207	1652	17	CA
HH2DC	3788	0807	17	IL	TF3LB	7017	0204	24	FL	J28EM	14180	1835	9	MD
HKOBBX	3504	0116	22	FL	TU2BR	7001	0925	18	CA	J28EM	14183	1812	9	CA
HKOBBX	3509	0540	21	MN	UI1Z/	7003	2303	12	MA	J87CD	14183	1750	14	CA
J37AE	3512	2350	11	CO	UV3HD	Oblast	56			KC4USX	14275	0500	23	CA
J37AH	3794	0055	15	PA	UR1RWI	7003	0140	13	CA	KC6JC	14227	0100	18	MT
J6LQX	3783	0724	17	IL	UT4UI	7013	2251	9	GA	KC6JC	14221	0014	16	MT
J79MD	3779	0205	15	PA	UV100	7003	1055	13	GA	KHOAC	14226	0010	6	CA
JD1AMA	3797	1458	24	CA	V31JK	7006	2303	9	GA	KHOAC	14227	2307	14	CA
KC6IN	3802	1459	18	CA	V85TT	7008	1451	20	CA	KX6DS	14025	2243	10	GA
KX6DS	3808	0745	17	MT	VS6DO	7002	0857	24	CA	KX6IO	14175	2316	19	MN
KX6DS	3784	0640	19	CA	VU2TEC	7010	0204	24	FL	OX3KD	14004	1920	17	MT
LU/K5KG	3503	0747	17	IL	VU2TTC	7002	0146	15	MT	OX3OB	14030	2020	18	GA
OX3KD	3509	0002	13	MA	VU2TTC	7001	1251	13	AL	P29DE	14240	0153	13	CA
PJ2/	3508	0135	12	CO	YV7QP	7004	1116	8	GA	T30AT	14037	1913	17	GA
W1BIH						Margarita Is				T30AT	14028	1922	14	MT
PJ2/	3503	0050	14	MA	Z23JO	7010	0345	14	MA	TA1F	14006	1959	17	IL
W1BIH					ZD8CW	7000	2355	10	CO	TI9W	14218	2239	17	MT
PZ1AN	3793	0444	18	MT	ZD8CW	7002	2347	24	FL	TR8CA	14205	1930	19	CT
PZ1AP	3507	0105	14	CO	ZD8CW	7006	0841	18	CA	TR8CA	14186	2100	13	MD
S79KG	3501	0231	15	MA	ZL7BKM	7007	1610	16	CA	TR8SA	14218	2010	14	CA
S79LJ	3799	0005	15	MA	ZL7TZ	7002	1236	13	AL	TT8AQ	14183	1758	18	MT
T32AN	3793	0830	17	IL	ZL7TZ	7012	0903	24	CA	TU/F6FVY	14199	1940	19	CT
T32AN	3799	0506	19	CA	30 MTRS					TU2CV	14207	1950	22	CA
TI2CC	3794	0051	15	PA	HKOBBX	10105	1355	9	MI	TU2CV	14012	1910	17	MT
TU/F6FVY	3793	2307	16	MA	LZ1KSN	10103	2150	10	MI	TU2QQ	14226	2104	20	MN
TU/F6FVY	3502	0120	22	FL	VU2LAM	10105	1700	14	MA	TU4BU	14186	2057	17	MT
UAOGDE	3506	1230	11	NH	20 MTRS					TZ6VV	14175	2100	13	CA
UI8CG	3502	0255	11	NH	3Y1EE	14022	0553	24	CA	TZ6VV	14183	2102	17	MT
UL7GK	3509	0208	22	FL	3Y1EE	14022	0730	24	FL	V85HG	14184	2343	15	IL
UP1BZZ	3506	0735	12	CA	3Y2VG	14145	1445	24	CA	V85HG	14182	0016	18	CA
UQ2GM	3507	2343	10	AL	5B4VG	14184	1405	8	MD	YBODPO	14020	0037	17	CA
UQ2GM	3512	0605	17	MN	5H3RB	14160	1827	17	IL	YBODPO *	14007	2355	14	AL
UQ2GM	3506	0015	11	CO	5H3ZO	14030	2051	11	GA	YBODUA	14007	0020	21	FL
VP2MIX	3505	0155	24	FL	5L2AY	14160	0025	14	CA	YJ8MC *	14028	2041	10	GA
Y57WG	3785	2315	10	CO	5U7/I2VA	14236	1810	17	MN	ZD7BJ	14160	2210	12	CA
YBOWR	3793	2218	16	MA	5U7/I2VA	14236	1932	20	MN	ZD7BJ	14182	1847	17	IL
YJOKMS	3505	1240	17	NH	5V7SA	14226	2111	20	MN	ZD7XY	14195	1934	14	MT
YN3EO	3502	0110	13	CO	5X5GK	14180	1856	14	CA	ZD7XY	14209	2210	4	CA
YO4CVZ	3507	0052	8	AL	5Z4FC	14004	2036	18	IL	ZD7XY	14199	2235	14	MD
ZD8CW	3505	0110	18	MT	6W7PE	14160	1844	17	IL	ZD8RP	14160	2150	12	CA
ZD8CW	3503	0104	11	NH	7J1ACH	14226	0126	16	CA	ZD9CK	14215	0420	14	MD
ZF2JA	3794	0435	15	FL	7P8DP	14175	1910	11	CO	ZL8HV	14210	0439	7	MD
ZL7BKM	3788	0830	13	MA	9L1VF	14160	2255	17	MT	ZS3GB	14203	2106	14	CT
40 MTRS					9M2CW	14194	0002	19	CA	15 MTRS				
3B8CF	7007	0256	10	GA	9M2FK	14185	0059	17	MT	3Y2GV	21027	2021	24	CA
3B8CF	7005	1448	19	CA	9M8DW	14226	0030	14	CA	7P8DP	21258	1502	17	MA
3Y1EE	7003	0314	26	CA	9M8PV	14190	0052	17	MT	7P8DP	21257	1710	17	CA
4Z4DX	7003	0230	15	CA	9Q5NW	14180	1920	18	IL	C53FB	21204	1505	17	MA
4Z4DX	7002	0249	15	MT	9Q5NW	14180	1842	15	MT	FK8FF	21289	2210	16	FL
9M2AR	7045	1500	19	CA	9V1WK	14171	0042	19	CA	KH3/	21380	1915	11	CO
					425SA	14226	1855	8	CA	KN4BPL				

AH2BE	14184	1946	9	MD	TF3GCN	21024	1445	17	GA
AH2AN	14203	2325	19	MN	TF3GCN	21040	1610	10	GA
AH2BJ	14192	0057	14	CA	TR8LD	21239	1719	17	FL
BV2B	14230	0127	10	MD	TU9W	21295	1920	21	CA
BV2B	14175	0030	18	MT	VP8BLT	21216	2021	17	FL

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- 100% Duty Cycle Transmitter
- 105dB Dynamic Range
- All Modes Built-In USB, LSB,
AM, FM, CW, RTTY
- 12 Volt Operation

The new IC-751A top-of-the-line HF base station transceiver is designed for the ham operator who demands high performance. Whether contesting or QSO'ing for pleasure, the 100 watt IC-751A incorporates the best features of the IC-751, plus brings you to the forefront with the following most-asked for additions.

More CW Control. For the CW enthusiast, the new IC-751A includes an electronic keyer unit, QSK rated at up to 40WPM, standard FL-32A 9MHz/500Hz CW filter and CW sidetone to monitor your code in RX or TX modes... great for practice!

All Amateur Band Coverage. Plus general coverage reception from 100kHz to 30MHz. May be easily modified for MARS operation.

Improved Smooth Tuning. The IC-751A features a newly designed tuning knob for velvet smooth tuning.

Added LED Annunciator. For easy identifying if you're using the tuning speed, dial, or band switching functions.

32 Memories. Mode and frequency may be stored in any of 32 memories...all the memory capability that you'll ever need.

More Stable. Even in the receive mode, the IC-751A has a sophisticated thermal sensor to monitor the internal temperature. The sensor automatically activates the cooling fan which gives maximum stability ...critical for contesting.

 **ICOM**
First in Communications

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All stated specifications are approximate and subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. 751A686